

# Introduction to DOEHRS-IH & the DoD 8-Step Exposure Assessment Model

## Overview of DoD Model

◆ DoD Industrial Hygiene Working Group tasked to develop Process Model for DoD Industrial Hygiene

- Model is the way DoD IH should do business
- Model will be supported by DOEHRS through the DOEHRS-IH database program
- DOEHRS-IH will replace HHIM
- DoD Working group is interservice
  - ◆ Army, Air Force, Navy

# Purpose of the DoD Model

- ◆ Describes how DoD industrial hygienists collect and evaluate IH exposure data
  - During peacetime & wartime operations
  - Range of exposures
    - ◆ from repetitive industrial maintenance operations
    - ◆ to one-time exposures
    - ◆ to ambient chemical, biological, and physical stresses

# Business Area Description

- ◆ Prevent occupationally related illnesses and injuries by ...
  - anticipating, recognizing, and evaluating hazards;
  - investigating abnormal medical findings and trends
  - recommending controls for implementation
- ◆ Characterize occupational exposures for ...
  - targeted medical surveillance and treatment
- ◆ Establish, communicate and document exposure levels for personnel

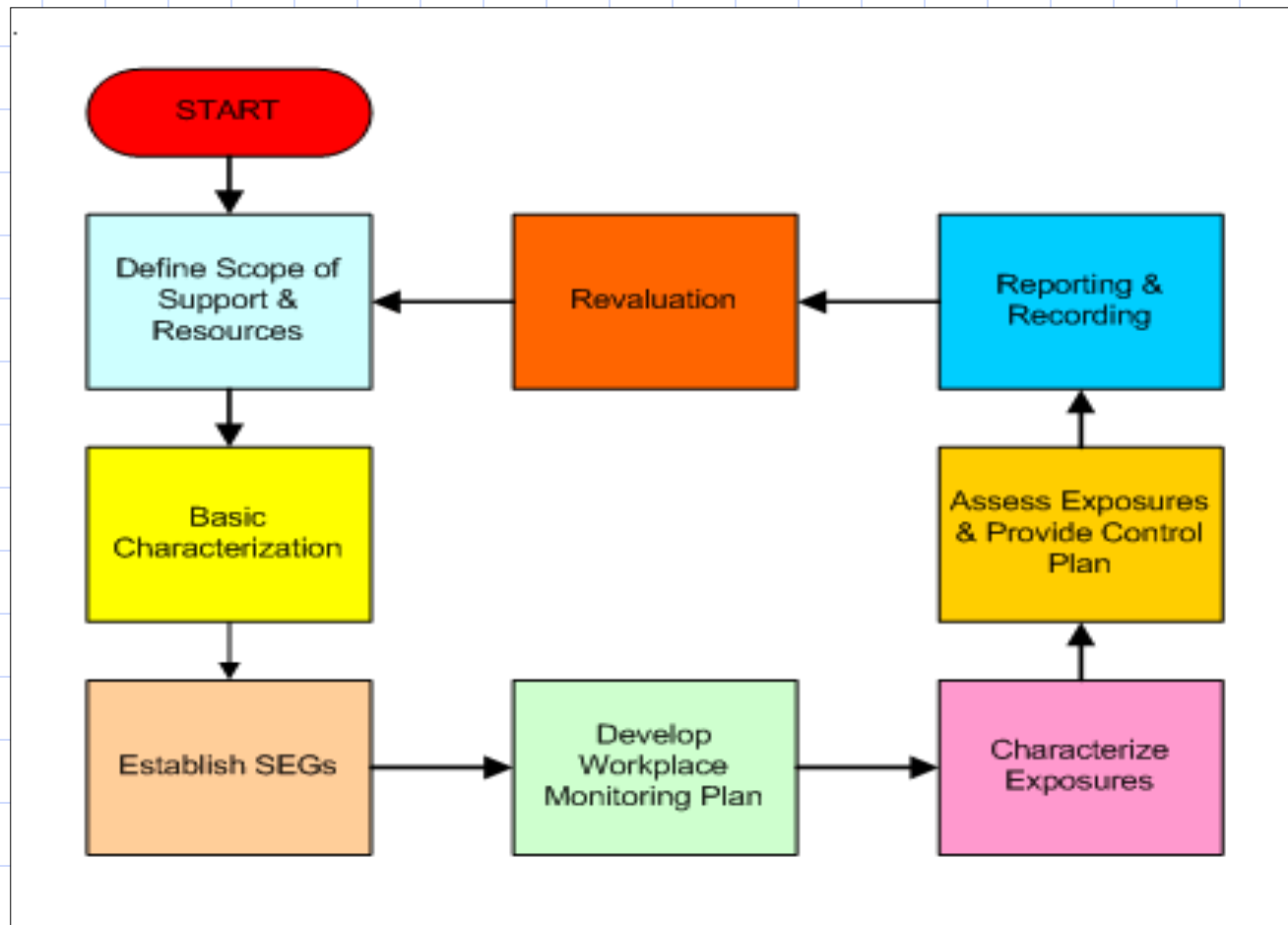
# Overview of the Assessment Process

- ◆ “Classic” Industrial Hygiene
- ◆ Anticipate, recognize, evaluate, control hazards to prevent occupational health injuries & diseases
- ◆ Make sure information gets to responsible and affected personnel
  - Commanders, supervisors, workers, Safety, Occupational Health staff

# 8-Step DoD Exposure Assessment Model

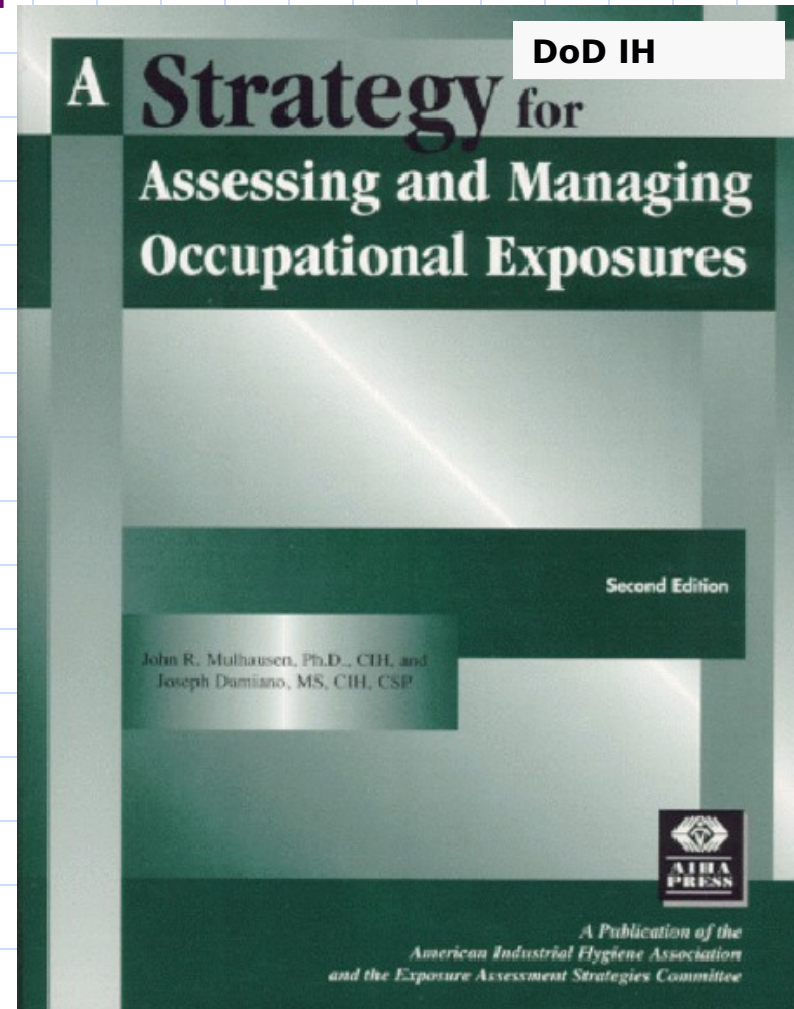
1. Define Scope of Support & Resources
2. Basic Characterization
3. Establish Similar Exposure Groups
4. Develop Workplace Monitoring Plan
5. Characterize Exposures
6. Assess Exposure & Recommend Control
7. Reporting
8. Re-evaluation

# DoD IH Exposure Assessment Model



# DoD IH Model is...

- ◆ Based on the AIHA Exposure Assessment and Management Strategy
  - AIHA Press  
Mulhausen and Damiano  
(editors) (1998)





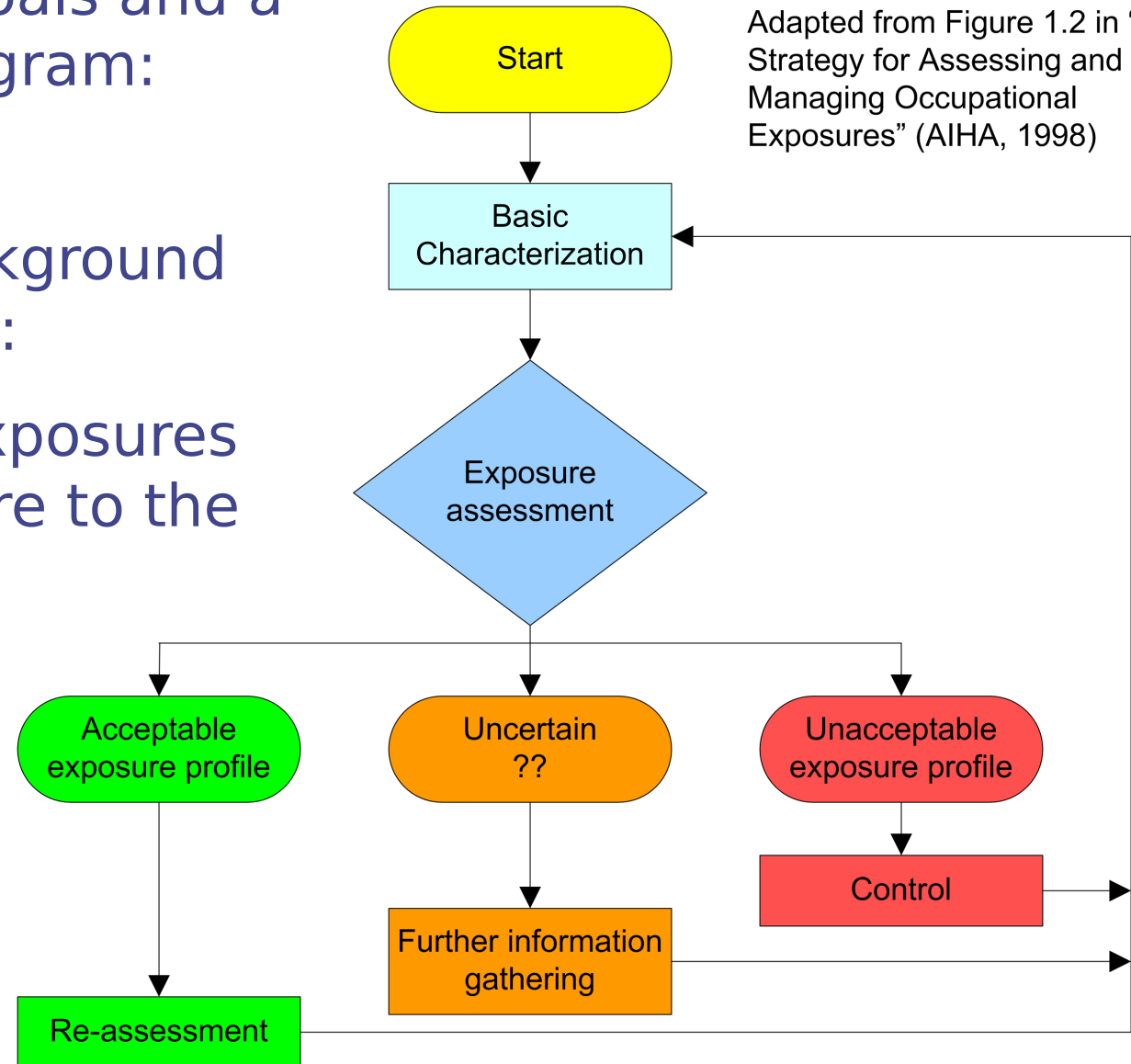
Establish goals and a written program:

Collect background information:

Estimate exposures and compare to the limit(s):

Decision:

Action: {



# Assumptions

- ◆ An exposure assessment is necessary
  - Potential overexposures need to be recognized
  - Legal compliance must be documented
  - Absence of exposure (or minimal exposure) should be documented
- ◆ A comprehensive assessment is recommended
  - The *Goal* is to determine the exposure status for all Similar Exposure Groups (SEGs) and all occupational health stressors
    - ◆ With legal Occupational Exposure Limits (OELs)
    - ◆ Without legal OELs

# Contact Information

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